

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW041619\
 Data File : VW009994.D
 Acq On : 16 Apr 2019 13:04
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Quant Time: Apr 17 00:37:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 16 01:53:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	708689	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	660522	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	320907	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	194874	29.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.40%
7) Chloroethane-d5	2.89	69	161903	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.48%
10) 1,1-Dichloroethene-d2	4.01	63	506938	27.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.16%
20) 2-Butanone-d5	7.07	46	154459	42.63	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.26%
24) Chloroform-d	7.65	84	488293	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.30	65	285634	22.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.88%
29) Benzene-d6	8.27	84	930837	25.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.56%
33) 1,2-Dichloropropane-d6	9.27	67	285064	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.60%
37) Toluene-d8	10.32	98	876141	26.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.84%
38) trans-1,3-Dichloropropene-	10.57	79	138010	25.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.72%
39) 2-Hexanone-d5	10.93	63	121890	47.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	244592	22.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	295509	24.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	288380	29.003	ug/L	97
3) Chloromethane	2.21	50	233920	25.811	ug/L	98
5) Vinyl chloride	2.37	62	262872	30.834	ug/L	99
6) Bromomethane	2.78	94	156873	24.916	ug/L	99
8) Chloroethane	2.92	64	157539	25.740	ug/L	99
9) Trichlorofluoromethane	3.26	101	172489	24.576	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	244245	26.727	ug/L	98
12) 1,1-Dichloroethene	4.03	96	241360	28.209	ug/L	99
13) Acetone	4.12	43	164832	51.165	ug/L	99
14) Carbon disulfide	4.37	76	726093	29.937	ug/L	99
15) Methyl Acetate	4.66	43	142866	21.972	ug/L	99
16) Methylene chloride	4.91	84	254983	19.871	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	290932	23.234	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	251983	26.023	ug/L	99
19) 1,1-Dichloroethane	6.21	63	485713	25.165	ug/L	98
21) 2-Butanone	7.16	43	199976	47.405	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	268704	25.571	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	116890	23.885	ug/L	97
25) Chloroform	7.67	83	483404	24.476	ug/L	100
27) 1,2-Dichloroethane	8.40	62	356104	23.420	ug/L	99
30) Cyclohexane	7.95	56	459665	30.792	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	389583	28.242	ug/L	99
32) Carbon tetrachloride	8.06	117	382929	28.273	ug/L	99
34) Benzene	8.32	78	1048614	26.949	ug/L	100
35) Trichloroethene	9.09	95	272318	26.916	ug/L	99
36) Methylcyclohexane	9.34	83	481134	29.599	ug/L	99
40) 1,2-Dichloropropane	9.37	63	268196	26.062	ug/L	100
41) Bromodichloromethane	9.64	83	353150	25.137	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	427316	26.934	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	405914	47.893	ug/L	98
44) Toluene	10.38	91	1137114	27.546	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	363300	25.934	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	193091	24.059	ug/L	99
47) Tetrachloroethene	10.86	164	215306	27.244	ug/L	98
49) 2-Hexanone	10.97	43	302680	50.270	ug/L	99
50) Dibromochloromethane	11.13	129	233856	24.548	ug/L	99
51) 1,2-Dibromoethane	11.23	107	189504	24.122	ug/L	98
52) Chlorobenzene	11.66	112	687274	25.515	ug/L	99
53) Ethylbenzene	11.73	91	1283054	27.808	ug/L	99
54) m,p-Xylene	11.84	106	473445	28.053	ug/L	98
55) o-xylene	12.16	106	444552	27.464	ug/L	96
56) Styrene	12.18	104	774214	27.322	ug/L	98
57) Isopropylbenzene	12.47	105	1249981	28.993	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	251470	23.818	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	187779	23.766	ug/L	99
62) Bromoform	12.35	173	135507	24.045	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	514937	26.558	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	539267	25.883	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	490349	25.775	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	43614	22.654	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	390394	27.489	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	314131	27.001	ug/L	99
69) Naphthalene	15.37	128	653714	26.180	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	289157	26.049	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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